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FIG. 1

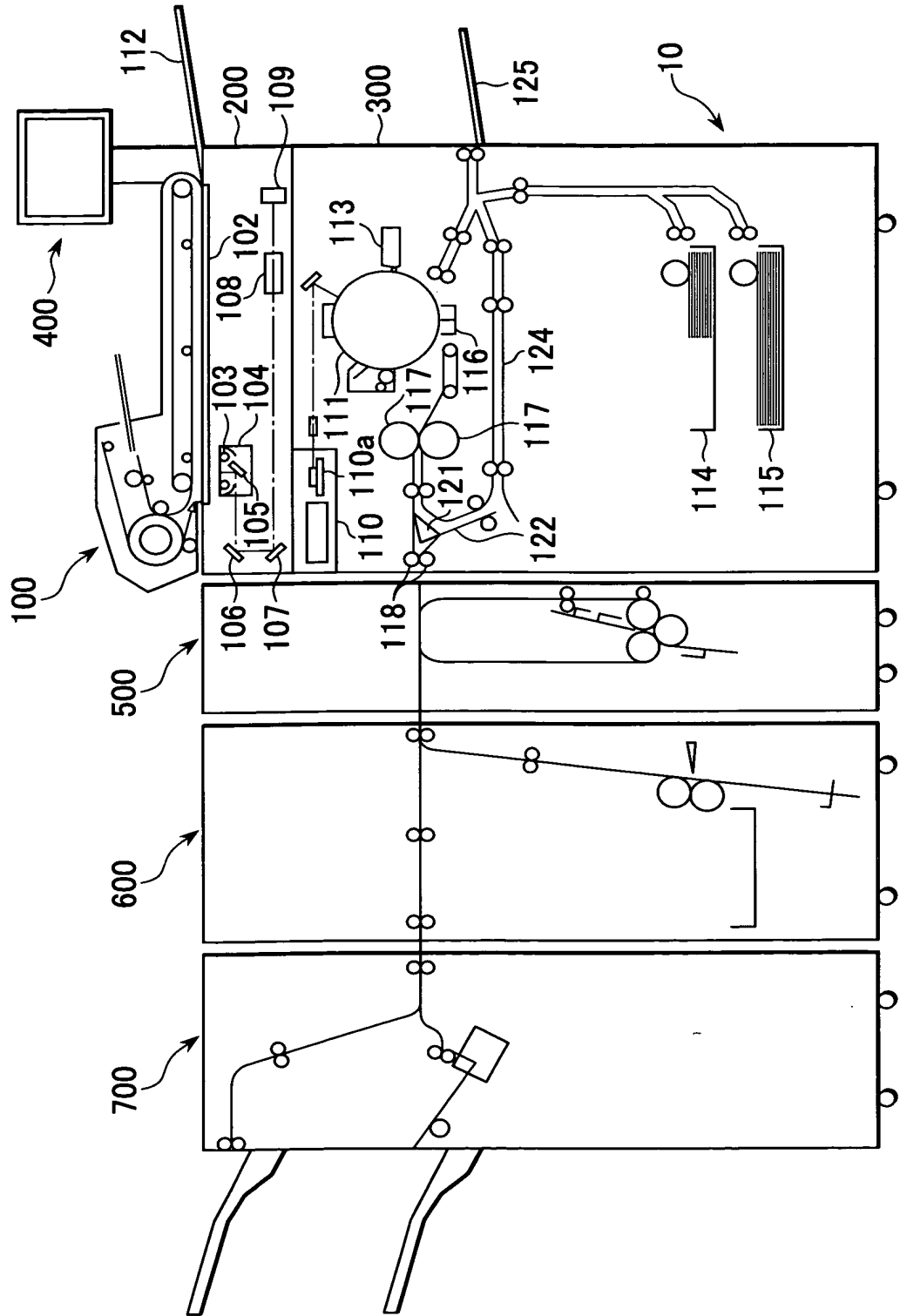


FIG. 2

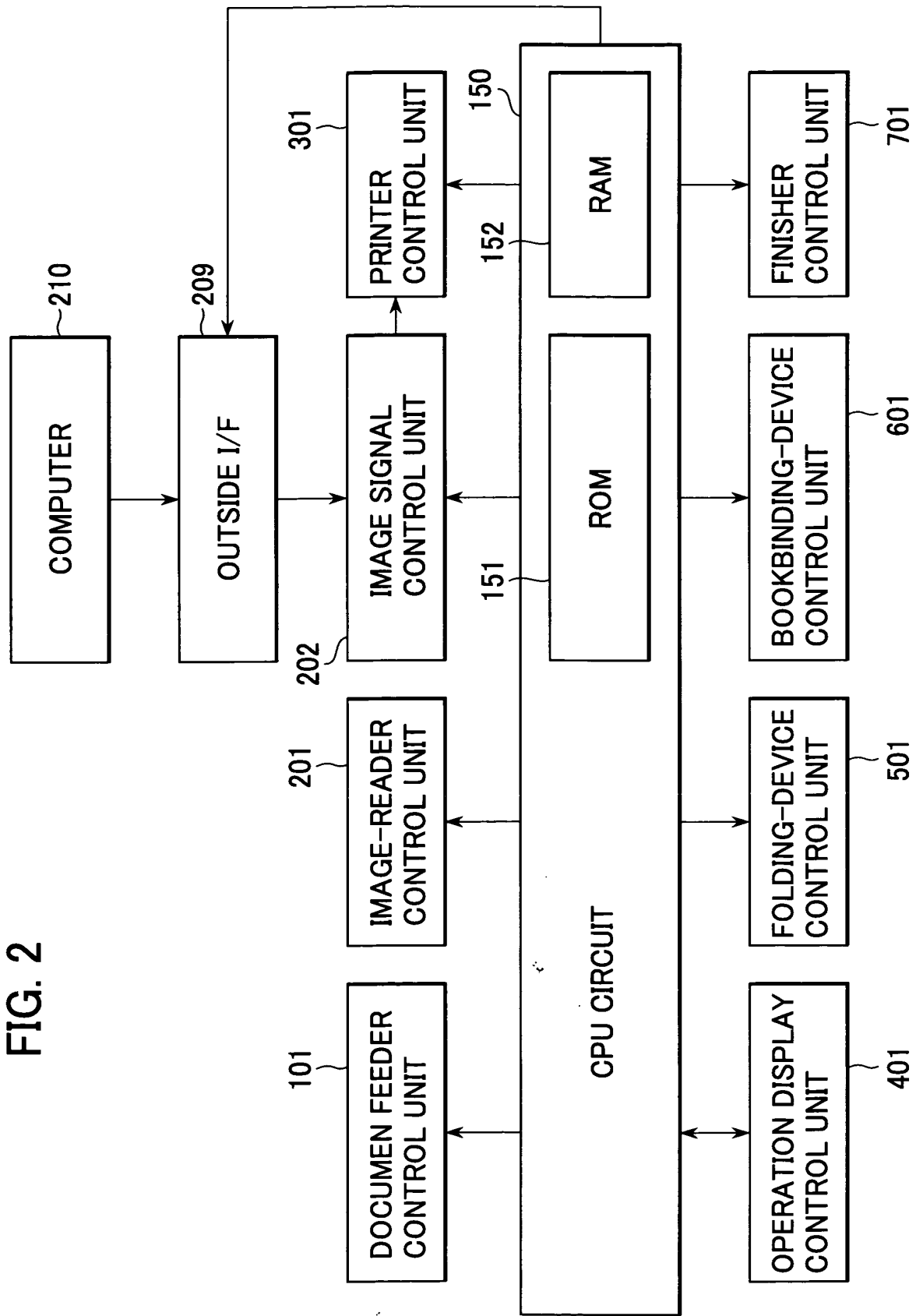


FIG. 3

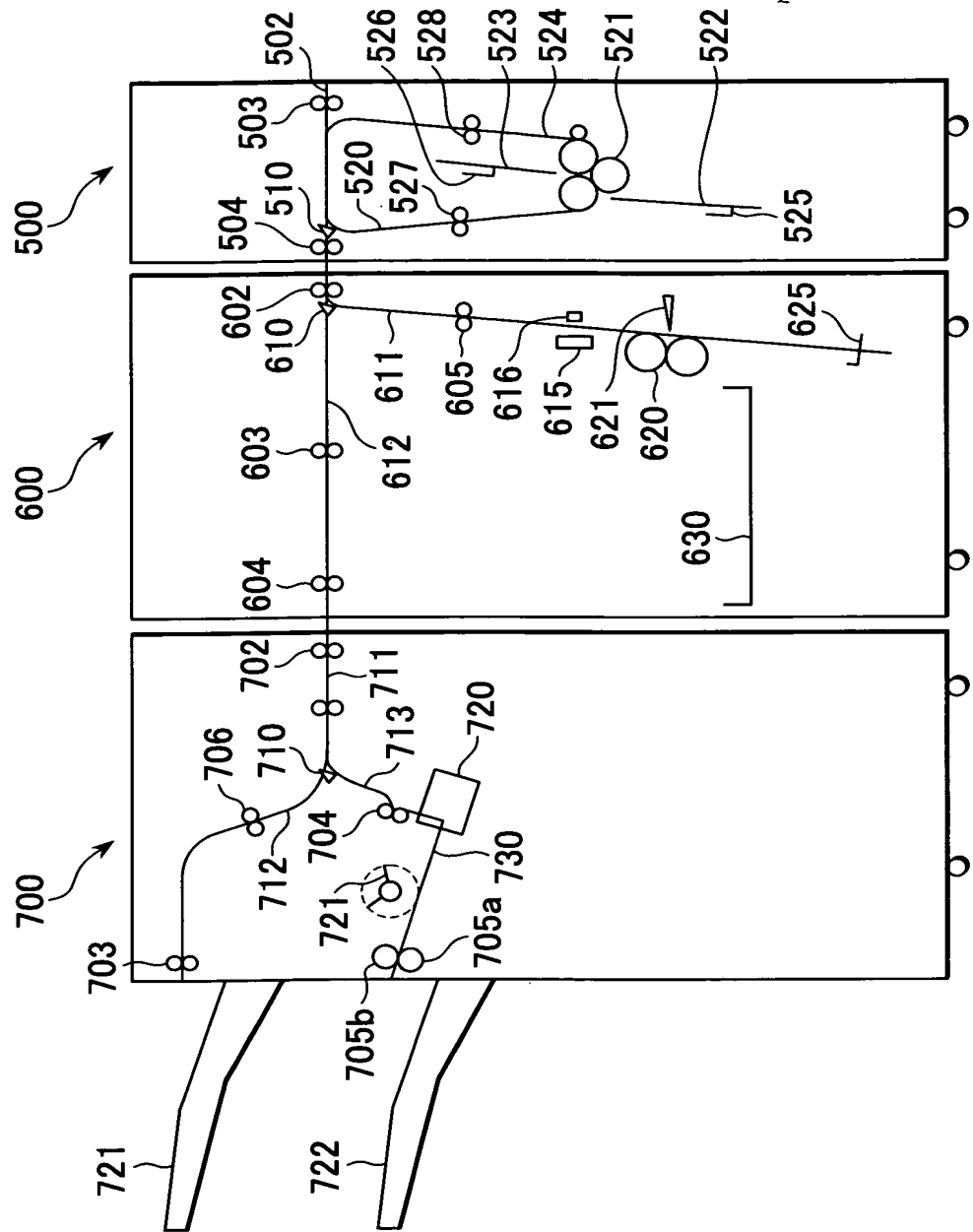


FIG. 4

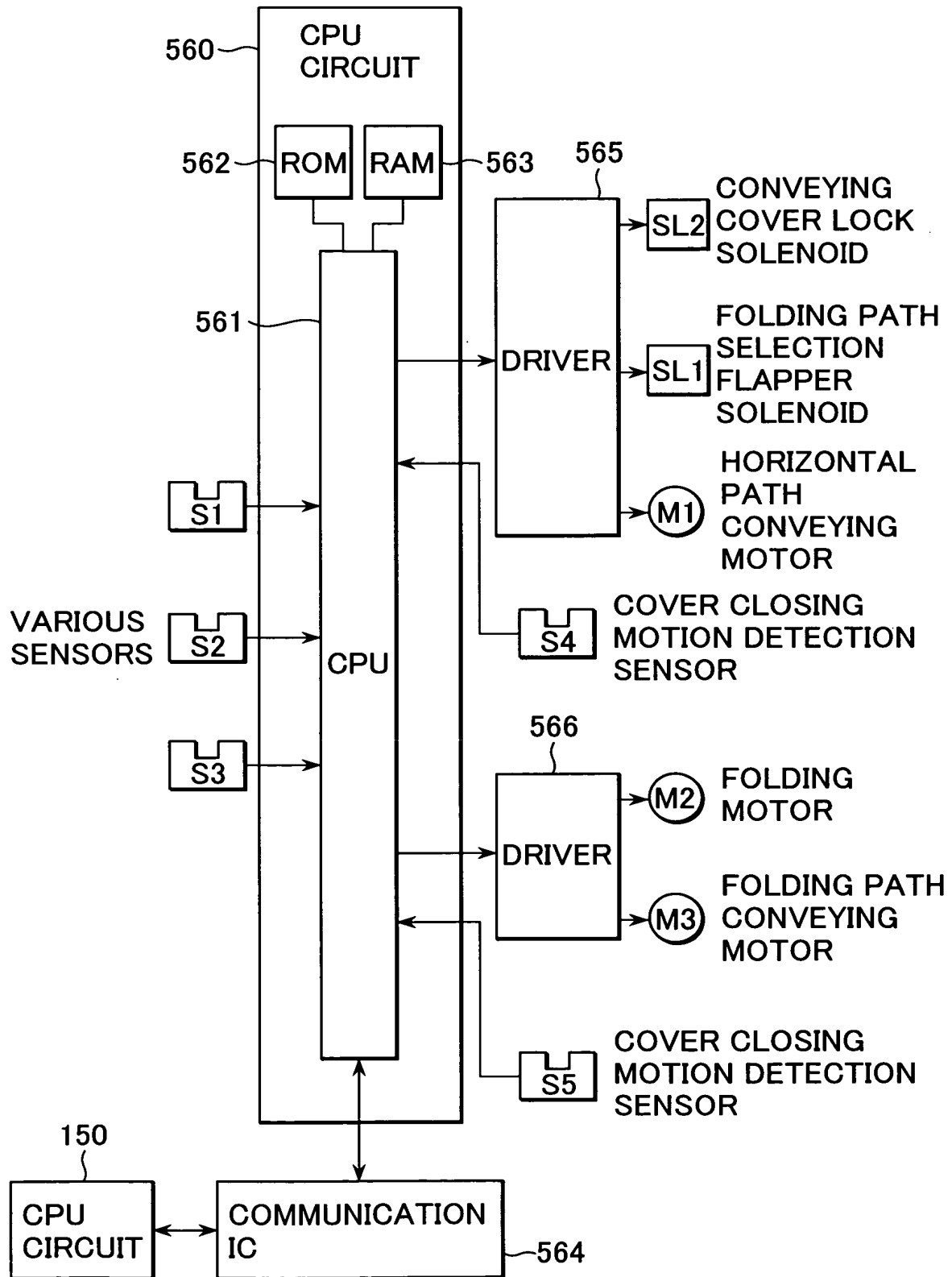


FIG. 5

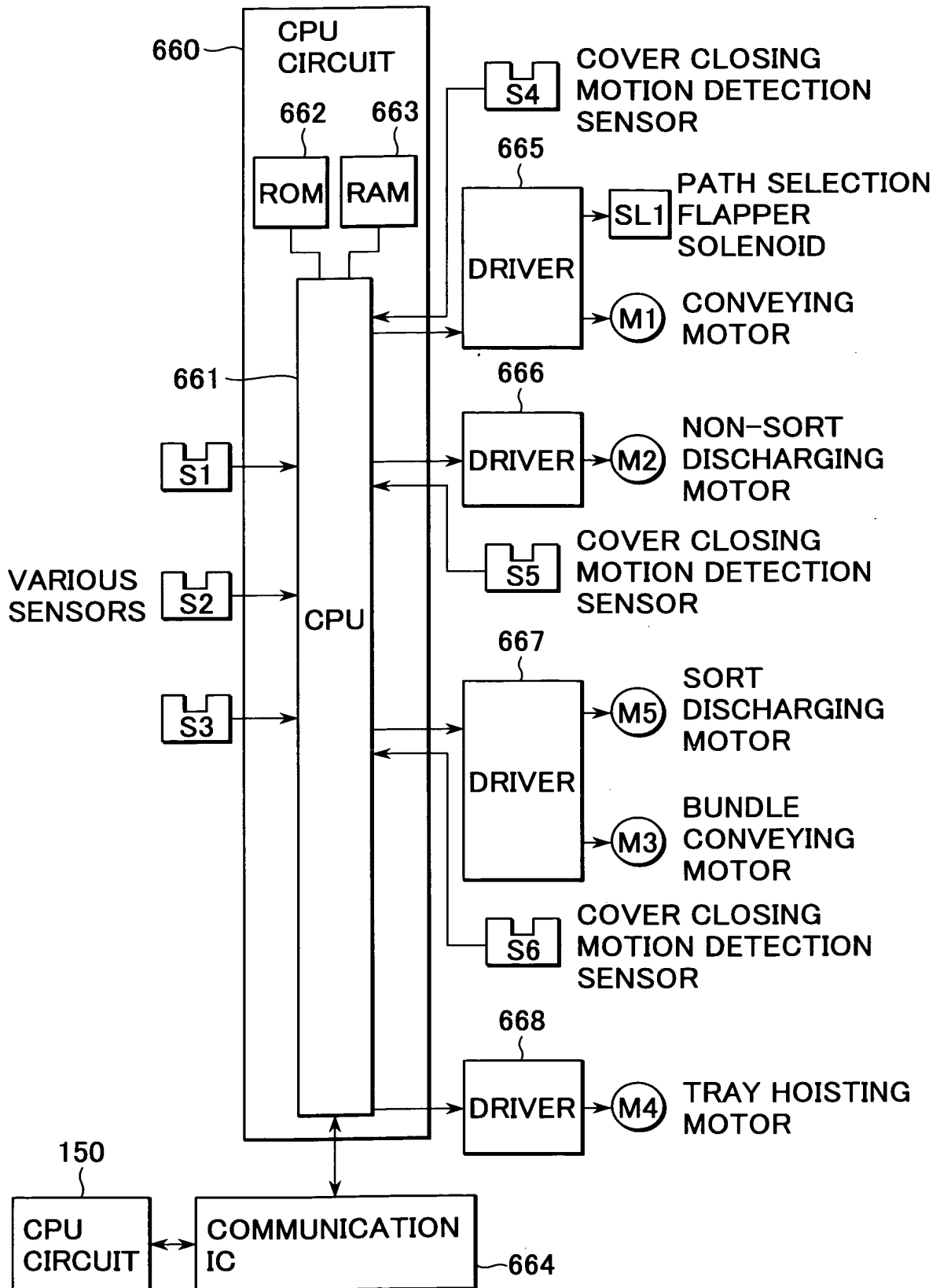


FIG. 6

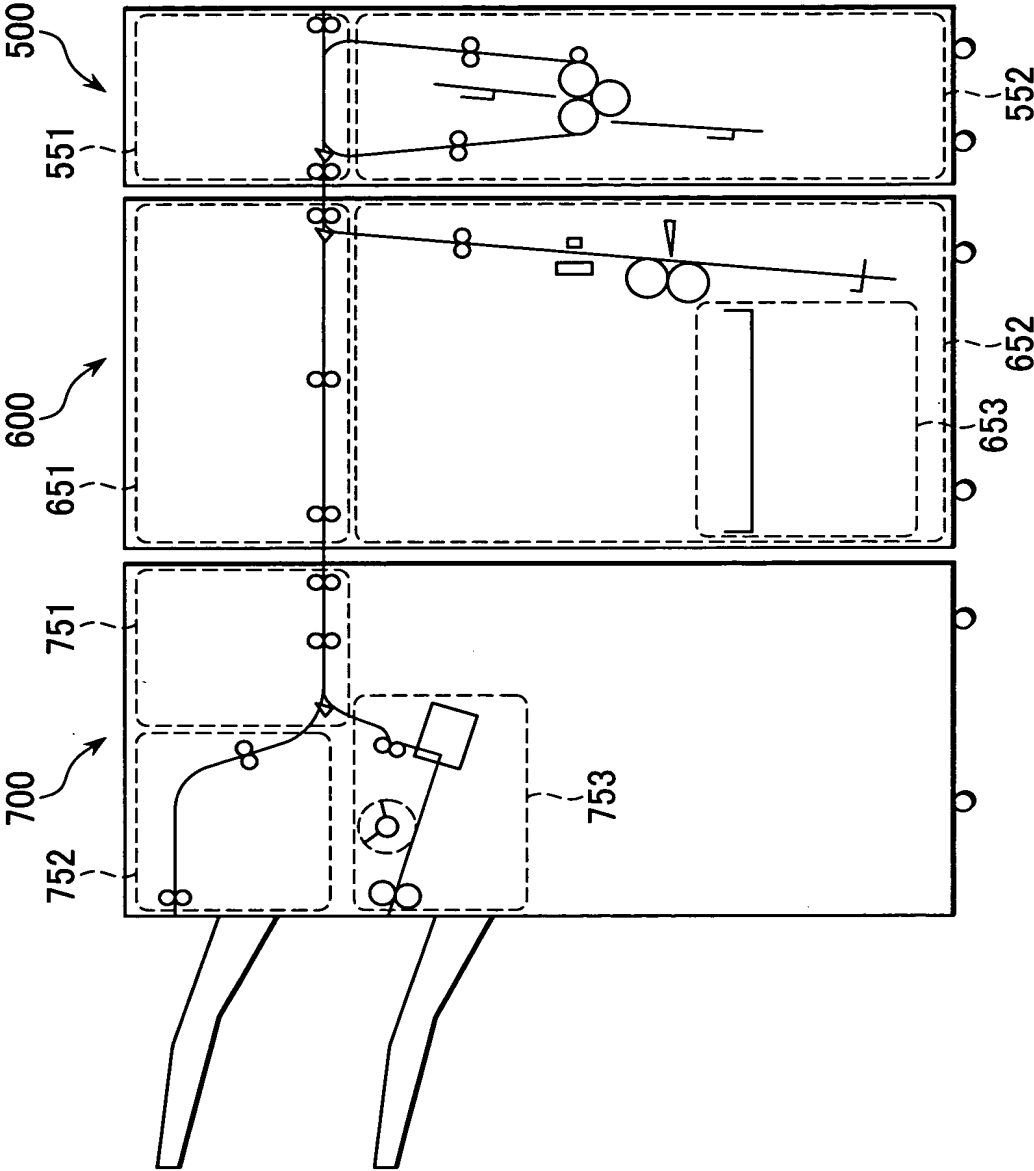


FIG. 7

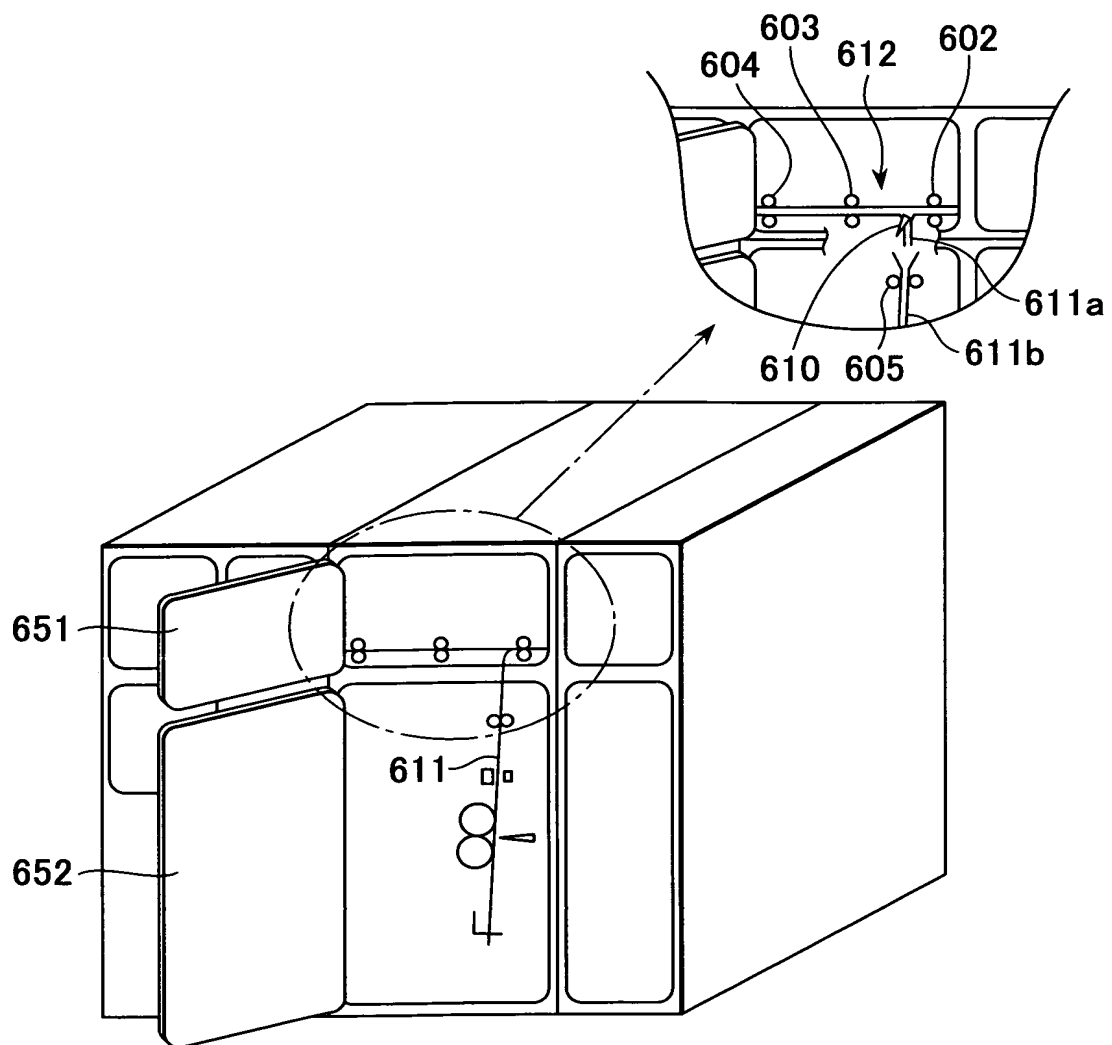




FIG. 8

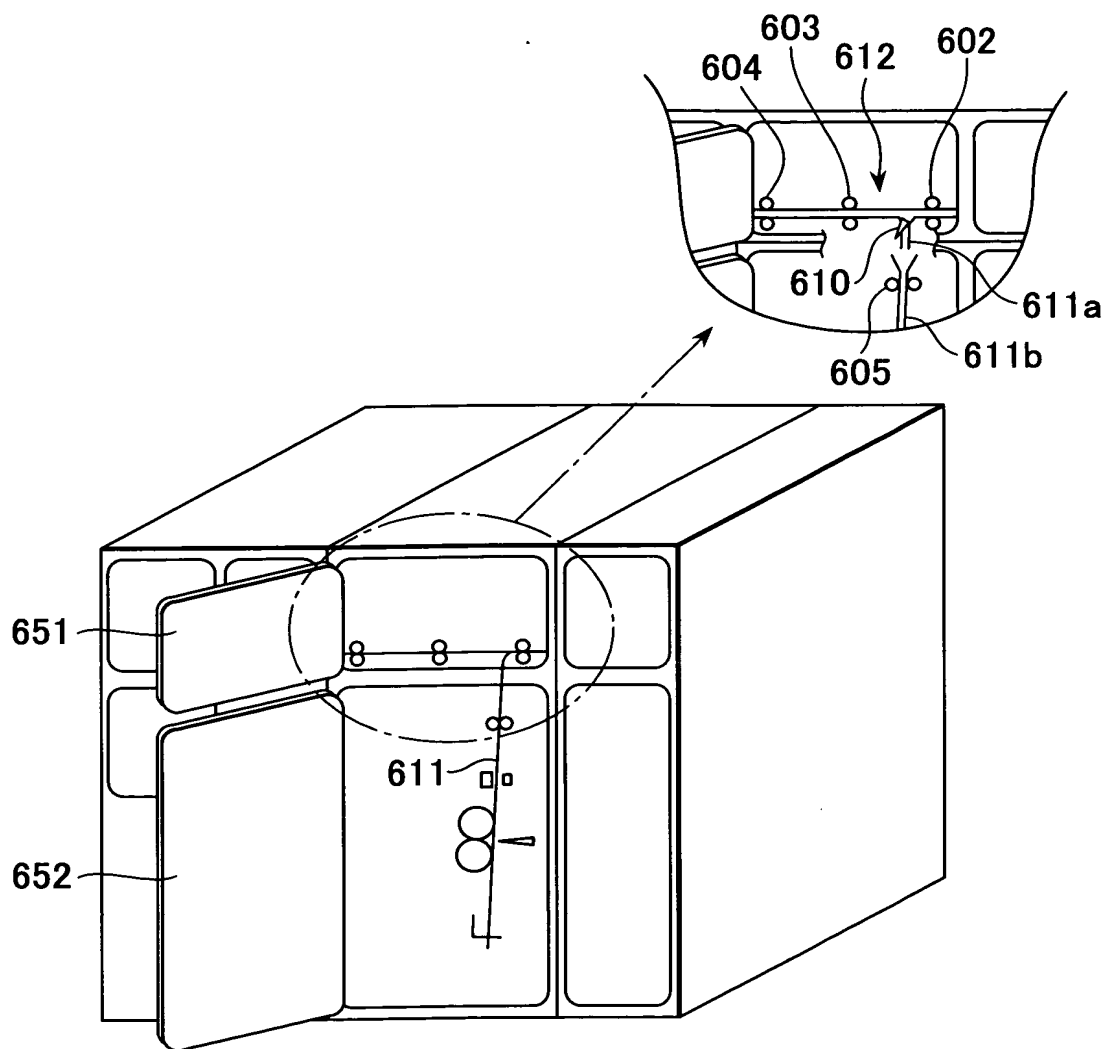


FIG. 9

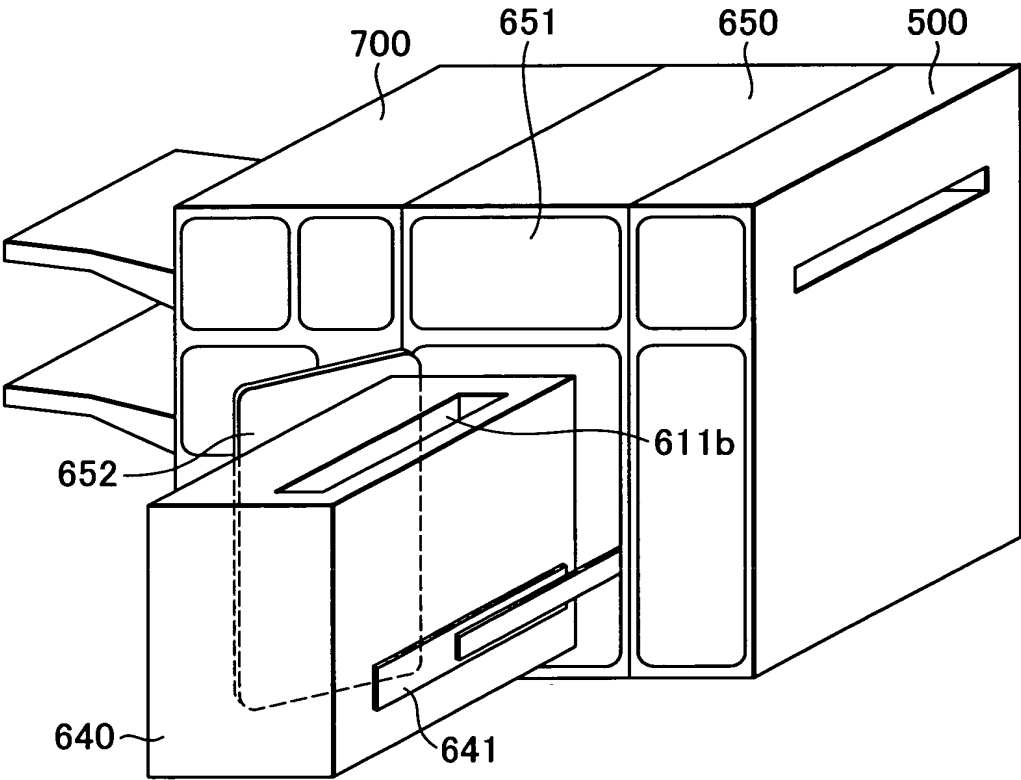


FIG. 10

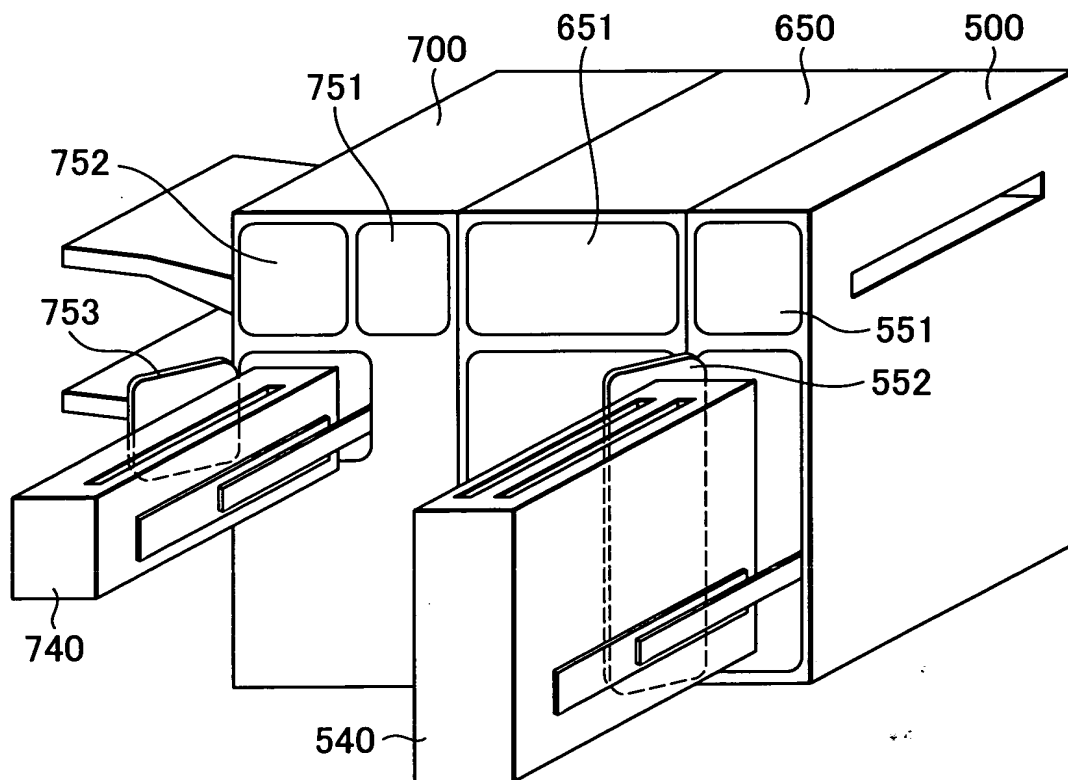


FIG. 11

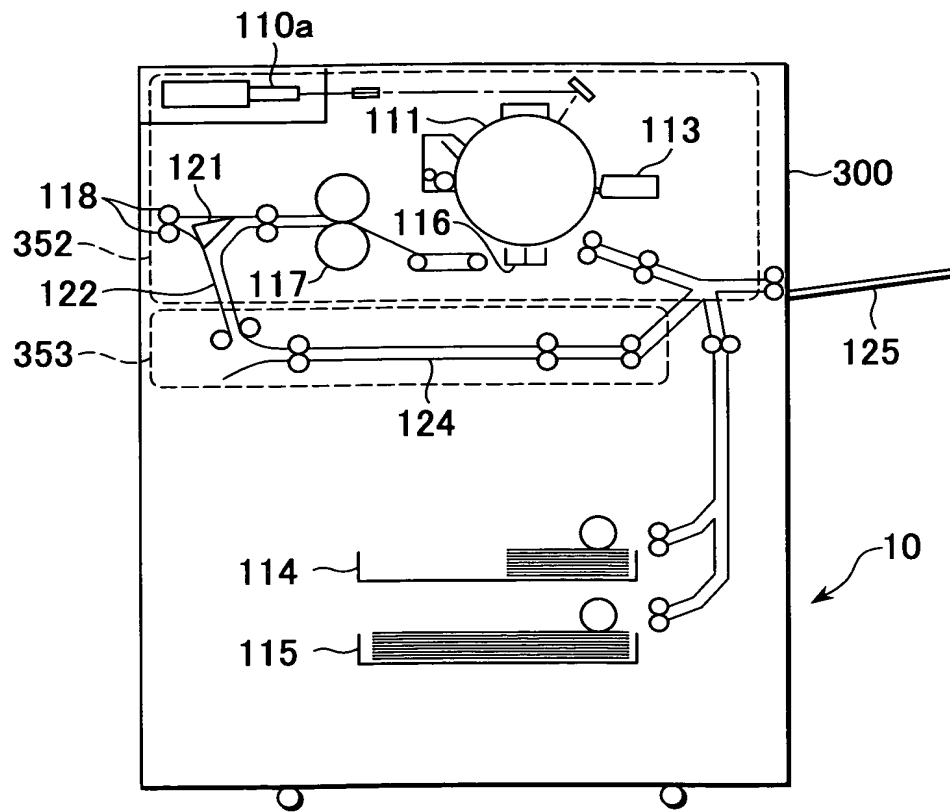


FIG. 12

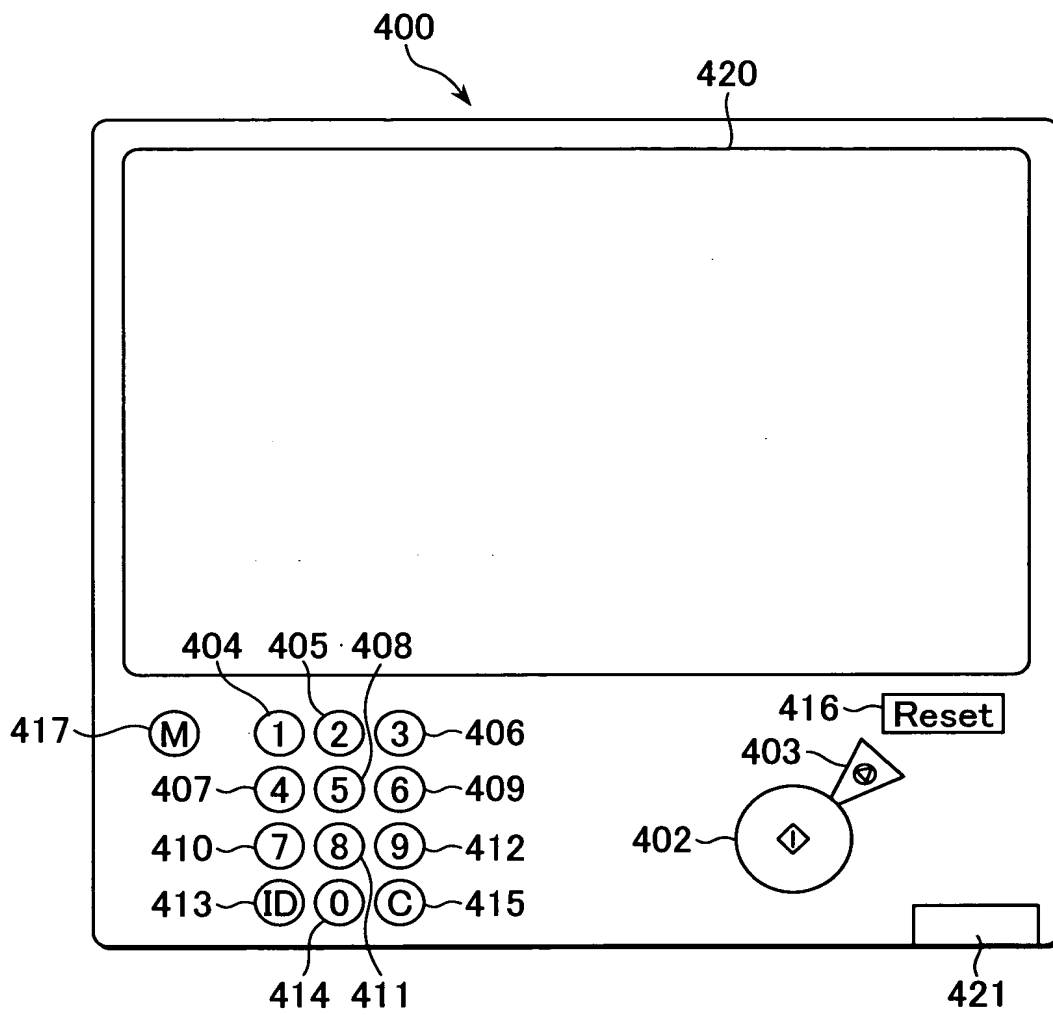


FIG. 13

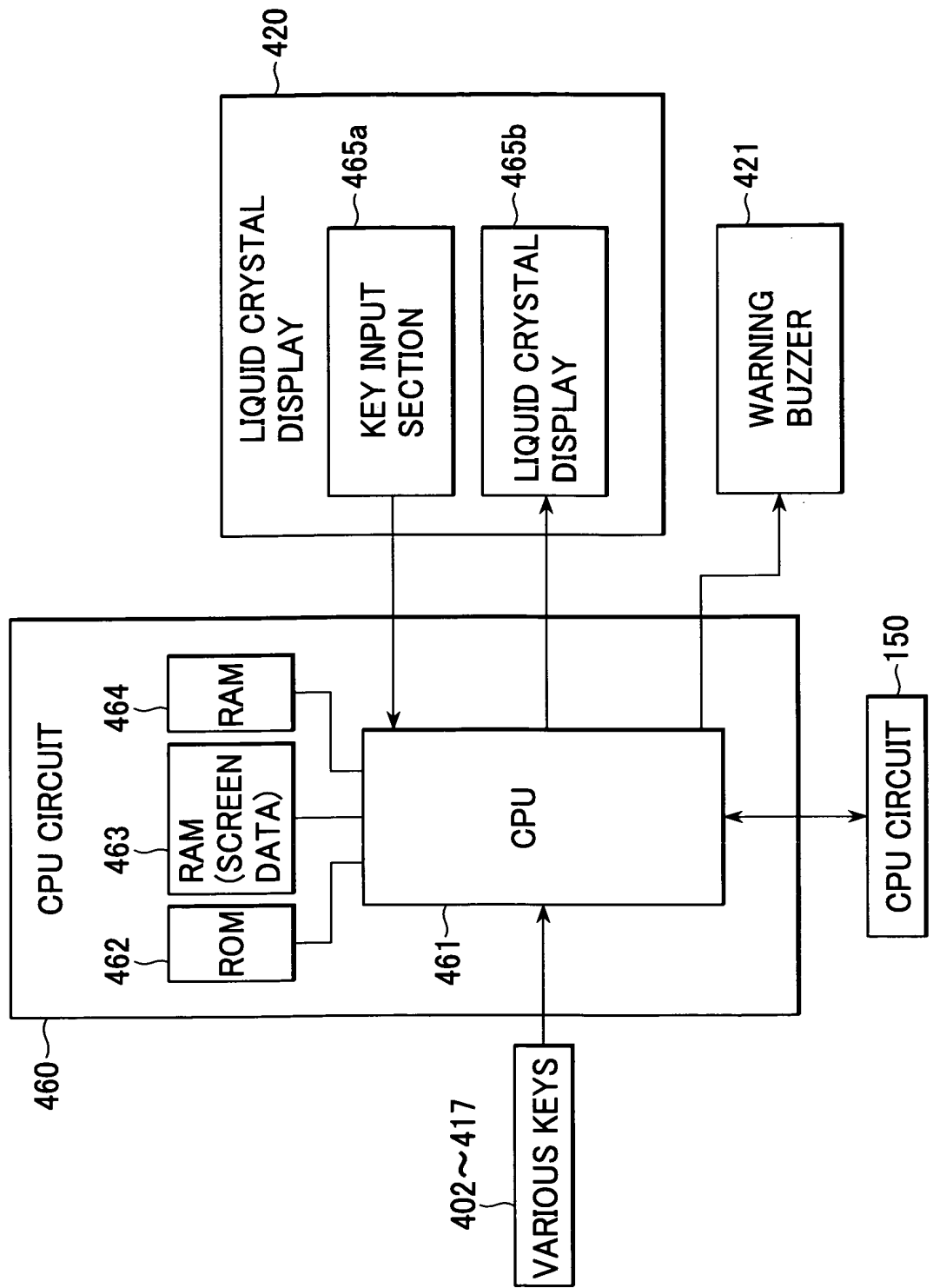


FIG. 14A


COPY POSSIBLE		
100%	SHEET FOR AUTO	1
1 × MAGNIFI- CATION	VARIABLE MAGNIFI- CATION ▶	SHEET SELECTION ▶
		
		LIGHTER AUTO DARKER
		CHARACTER ▶
SORTER ▶	DOUBLE-SIDED ▶	APPLICATION MODE ▶

FIG. 14B

SELECTION OF SORTER KIND		
SORT	GROUP	STAPLE
BOOKBINDING		
<input type="checkbox"/> SHIFT	Z-FOLDING	
SETTING CANCELLATION		O K

# FIG. 15A

REGISTERED JOB

REGISTRATION ORDER	ORIGINAL DOCUMENT	NUMBER OF COPIES	PRINTER	DOUBLE -SIDED UNIT	AUTOMATIC DOCUMENT FEEDER	FOLDING DEVICE	BOOKBINDING DEVICE	FINISHER
1	60	30	1	0	0	0	0	1
2	15	60	1	1	0	0	1	0
3	20	10	1	0	0	1	0	1

# FIG. 15B

WORK EFFICIENCY CPM OF IMAGE-FORMING APPARATUS

OUTPUT SHEET SIZE	SINGLE-SIDED	DOUBLE-SIDED
A4	60cpm	30cpm
A3	30cpm	15cpm

# FIG. 15C

PROCESSING TIME OF POST PROCESSING DEVICE

OUTPUT SHEET SIZE	SORT PROCESSING		BOOKBINDING PROCESSING		FOLDING PROCESSING	
	PROCESSING TIME IN BUNDLE	PROCESSING TIME BETWEEN BUNDLES	PROCESSING TIME IN BUNDLE	PROCESSING TIME BETWEEN BUNDLES	PROCESSING TIME IN BUNDLE	PROCESSING TIME BETWEEN BUNDLES
A4	0	0	0	0.5	0.01	0
A3	0	0	0	0.5	0.02	0



FIG. 16

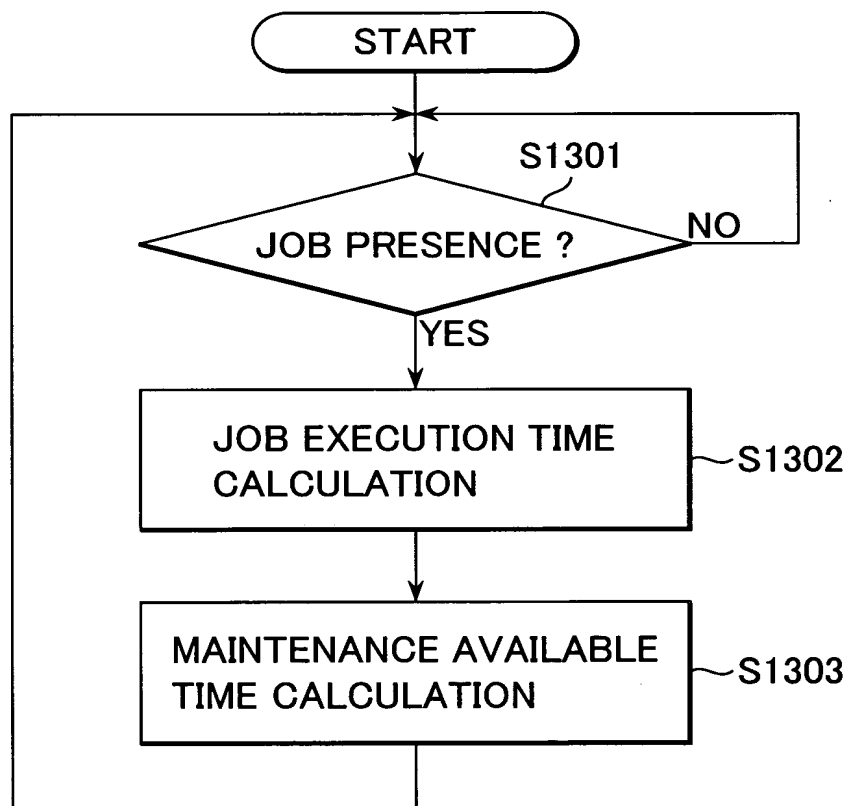


FIG. 17A

SELECTION OF MAINTENANCE DEVICE	
	MAINTENANCE AVAILABLE TIME
<input checked="" type="checkbox"/> PRINTER	0 MIN
<input type="checkbox"/> DOUBLE-SIDED UNIT	30 MIN
<input type="checkbox"/> BOOKBINDING DEVICE	30 MIN
<input type="button" value="TO NEXT"/>	

FIG. 17B

SELECTION OF MAINTENANCE DEVICE	
	MAINTENANCE AVAILABLE TIME
<input type="checkbox"/> AUTOMATIC DOCUMENT FEEDER	999 MIN
<input checked="" type="checkbox"/> FINISHER	0 MIN
<input checked="" type="checkbox"/> FOLDING DEVICE	120 MIN
<input type="button" value="RETURN"/>	<input type="button" value="TO NEXT"/>

FIG. 17C

SELECTION OF MAINTENANCE DEVICE	
	MAINTENANCE AVAILABLE TIME
<input checked="" type="checkbox"/> COMMON CONVEYING UNIT	0 MIN
<input checked="" type="checkbox"/> FOLDING UNIT	120 MIN
<input type="button" value="RETURN"/>	<input type="button" value="O K"/>

FIG. 18A

MAINTENANCE ITEM SELECTION OF FOLDING DEVICE	
MAINTENANCE AVAILABLE TIME	
ADJUSTMENT	120 MIN
CLEANING	120 MIN
PART REPLACEMENT	120 MIN
RETURN	OK

FIG. 18B

MAINTENANCE ITEM SELECTION OF FOLDING DEVICE	
MAINTENANCE AVAILABLE TIME	
STOPPER POSITIONAL ADJUSTMENT	120 MIN
FOLDING ROLLER CONTACT PRESSURE ADJUSTMENT	120 MIN
RETURN	OK

FIG. 18C

PRESET VALUE (RANGE)		
FOLDING ROLLER CONTACT PRESSURE ADJUSTMENT	<u>5</u>	(1-20)
MAINTENANCE AVAILABLE TIME 120 MIN		
RETURN	OK	

FIG. 19A

FOLDING CONTACT ADJUSTMENT	<div> <div> MINTENANCE AVAILABLE TIME IS CHANGED </div> <div>OK</div> </div>		(RANGE)  (1-20)
	<div>RETURN</div> <div>OK</div>		

FIG. 19B

FOLDING ROLLER CONTACT PRESSURE ADJUSTMENT	PRESET VALUE	(RANGE)
	<u>5</u>	(1-20)
MINTENANCE AVAILABLE TIME 30 MIN		
<div>RETURN</div> <div>OK</div>		

FIG. 20

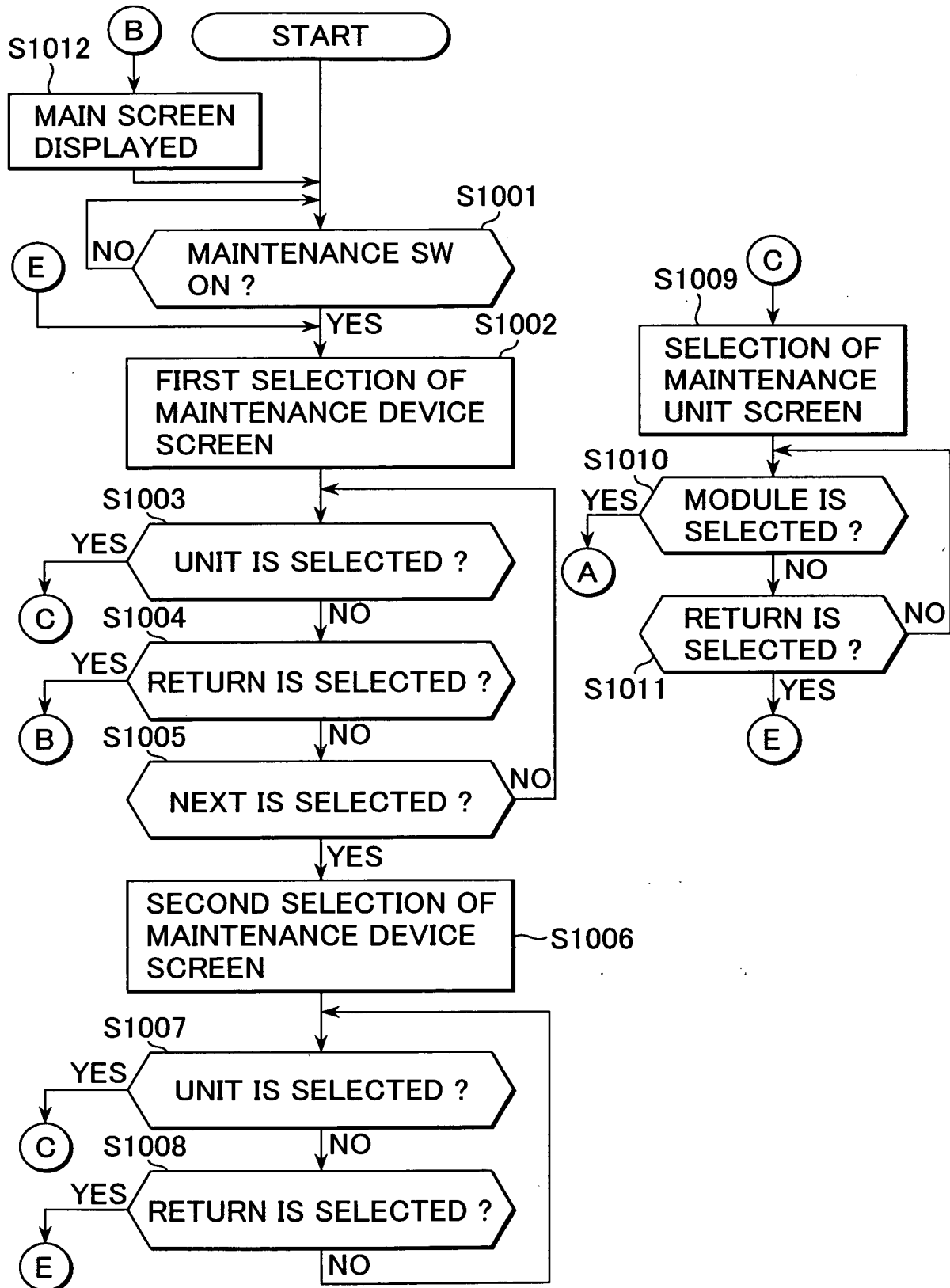


FIG. 21

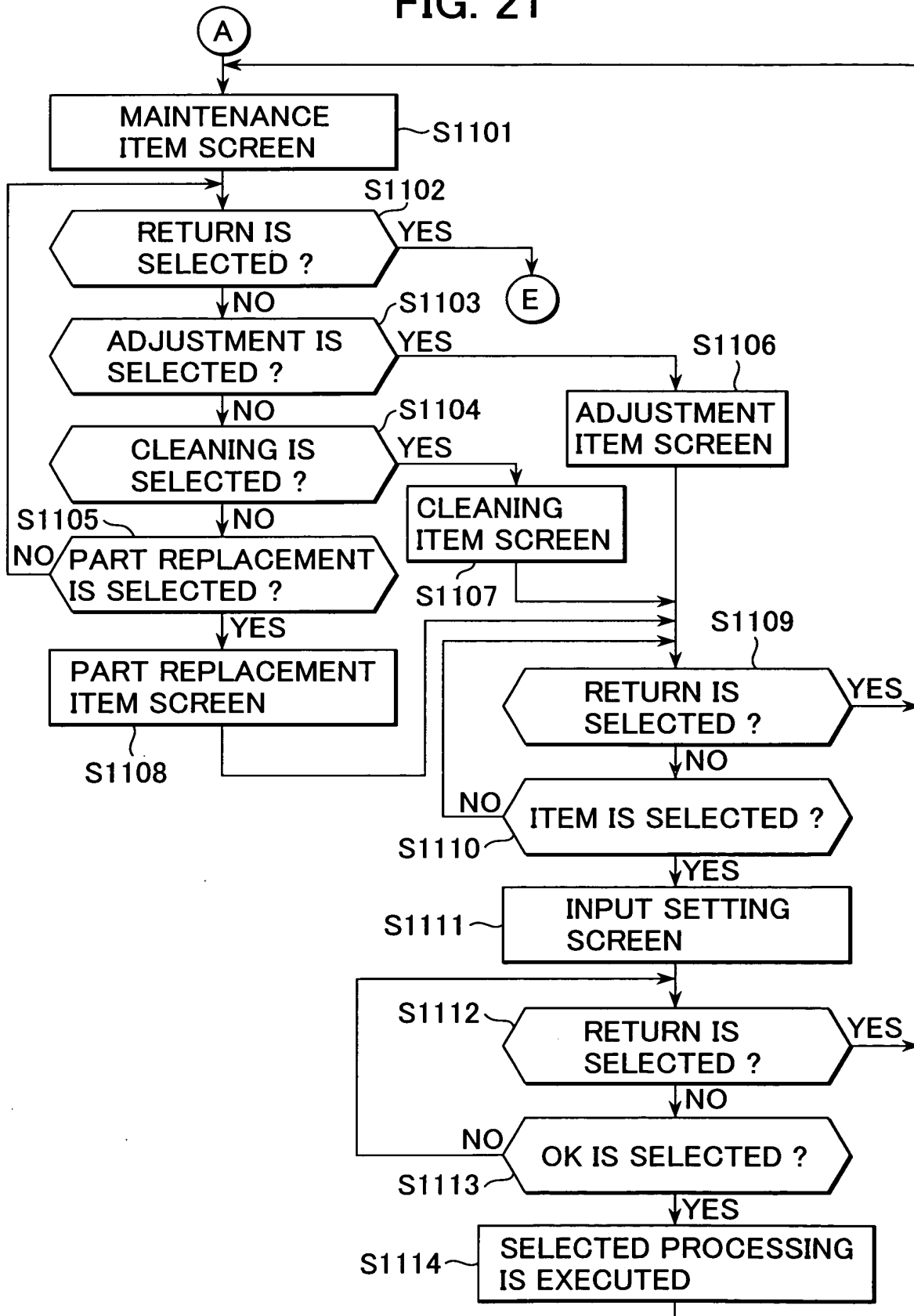


FIG. 22

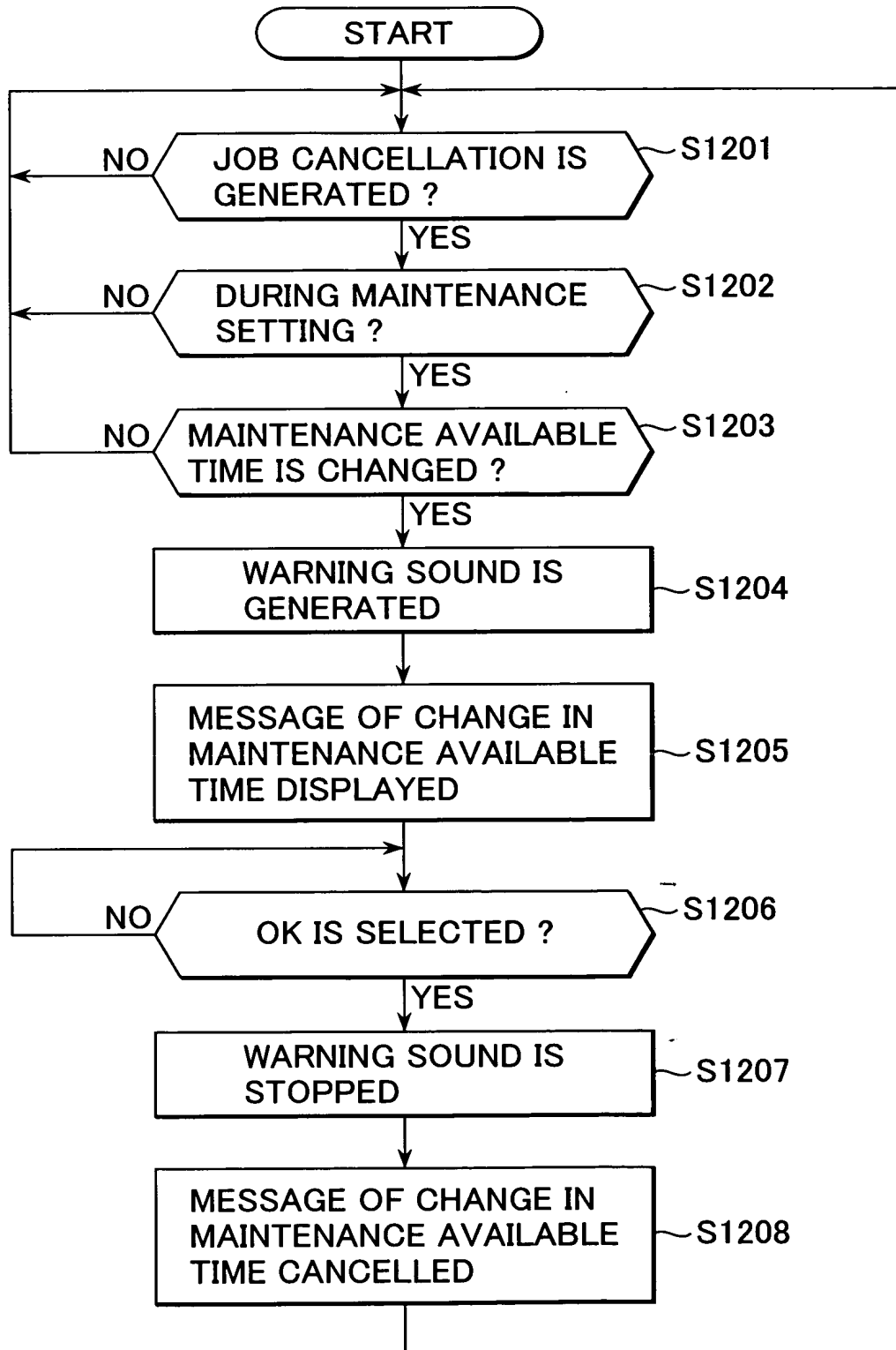


FIG. 23A

SELECTION OF MAINTENANCE UNIT

PRINTER	FOLDING DEVICE
READER	BOOKBINDING DEVICE
AUTOMATIC DOCUMENT FEEDER	FINISHER

RETURN O K

FIG. 23C

SELECTION OF FOLDING DEVICE  
MAINTENANCE ITEM

STOPPER POSITIONAL ADJUSTMENT
FOLDING ROLLER CONTACT PRESSURE ADJUSTMENT

RETURN O K

FIG. 23B

SELECTION OF FOLDING DEVICE  
MAINTENANCE ITEM

ADJUSTMENT
CLEANING
PART REPLACEMENT

RETURN O K

FIG. 23D

PRESET (RANGE)  
VALUE

FOLDING ROLLER  
CONTACT PRESSURE 5 (1-20)  
ADJUSTMENT

RETURN O K



FIG. 24A

SELECTION OF MAINTENANCE UNIT

PRINTER	FOLDING DEVICE
READER	BOOKBINDING DEVICE
AUTOMATIC DOCUMENT FEEDER	FINISHER

RETURN

PRIORITY ORDER DISPLAY WORK TIME ORDER DISPLAY

FIG. 24C

SELECTION OF FOLDING DEVICE MAINTENANCE ITEM

STOPPER POSITIONAL ADJUSTMENT

FOLDING ROLLER CONTACT PRESSURE ADJUSTMENT

RETURN

FIG. 24B

SELECTION OF FOLDING DEVICE MAINTENANCE ITEM

ADJUSTMENT

CLEANING

PART REPLACEMENT

RETURN

FIG. 24D

PRESET (RANGE) VALUE

FOLDING ROLLER CONTACT PRESSURE 5 (1-20) ADJUSTMENT

RETURN

FIG. 25A

MAINTENANCE PRIORITY ORDER LIST					
ITEM	WORK POSSIBILITY	WORK TIME	COUNTER	NEXT MAINTENANCE	STATE
CLEANING DOUBLE -SIDED PATH ROLLER	IMPOSSIBLE	15	5000	3000	NG
REPLACING READER HALOGEN LAMP	IMPOSSIBLE	10	2000	1500	NG
CLEANING COMMON TRANSFER ROLLER	IMPOSSIBLE	15	7000	6800	NG
CLEANING FOLDING PATH ROLLER	POSSIBLE	10	3000	2900	NG
REPLACING BOOKBINDING PATH ROLLER 2	POSSIBLE	30	1000	2000	OK

FIG. 25B

MAINTENANCE WORK TIME ORDER LIST					
ITEM	STANDBY TIME	WORK TIME	COUNTER	NEXT MAINTENANCE	STATE
CLEANING FOLDING PATH ROLLER	15	10	3000	2900	NG
FOLDING ROLLER CONTACT PRESSURE ADJUSTMENT	15	10	-	-	OK
FOLDING STOPPER POSITIONAL ADJUSTMENT	15	10	-	-	OK
CLEANING BOOKBINDING PATH ROLLER 1	30	10	1000	1200	OK
CLEANING BOOKBINDING PATH ROLLER 3	30	15	1000	1300	OK

FIG. 26

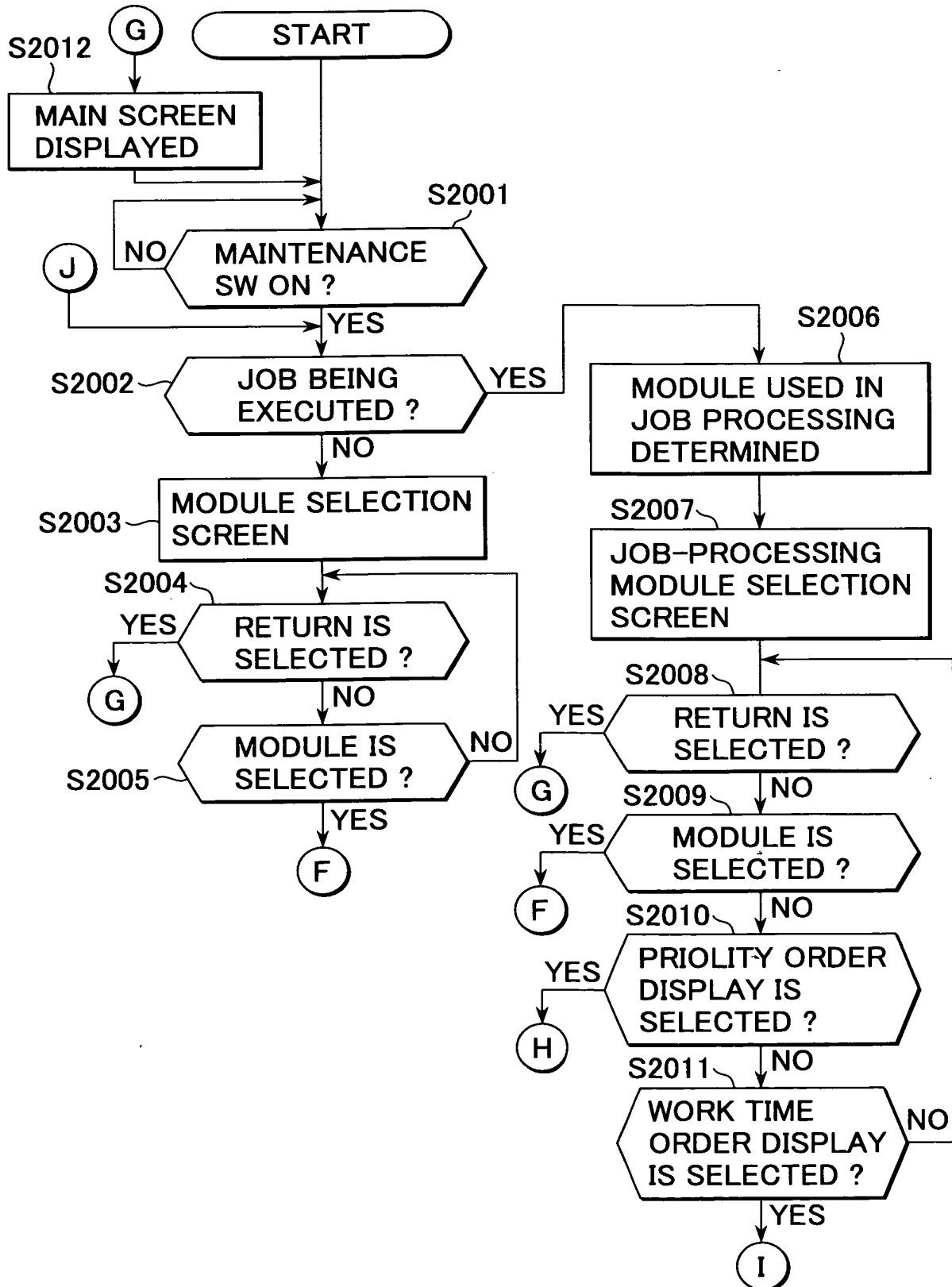


FIG. 27

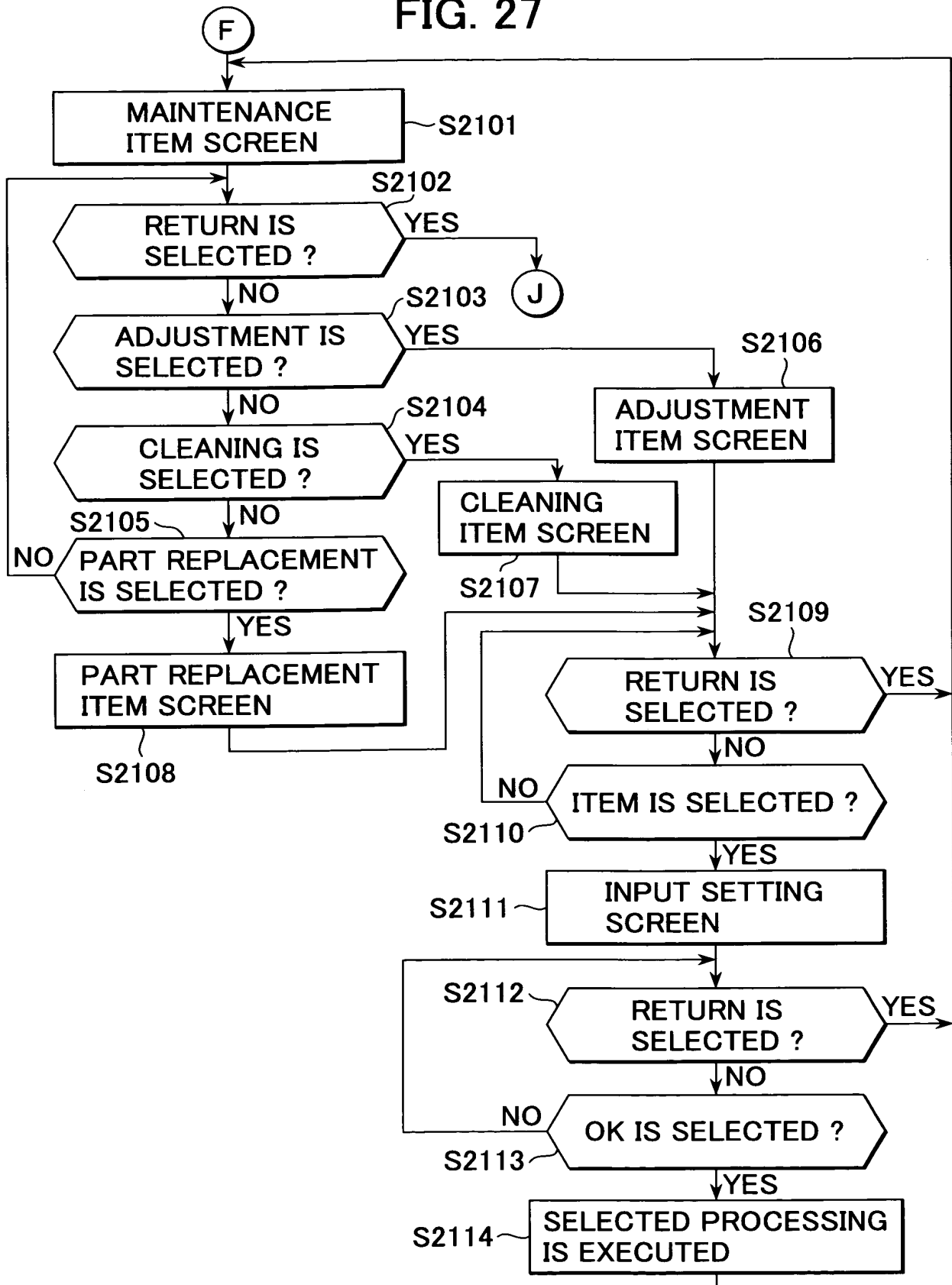


FIG. 28

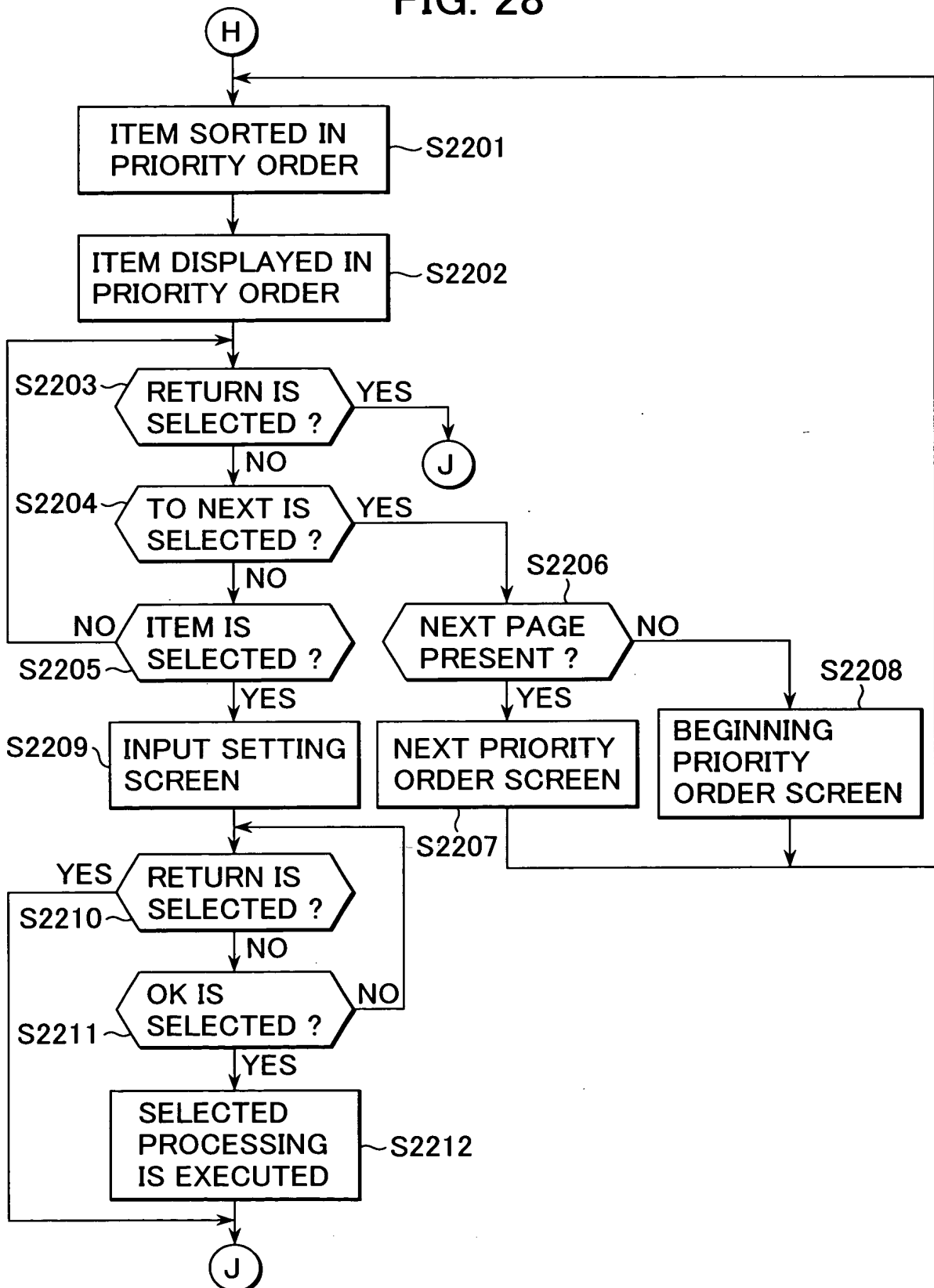


FIG. 29

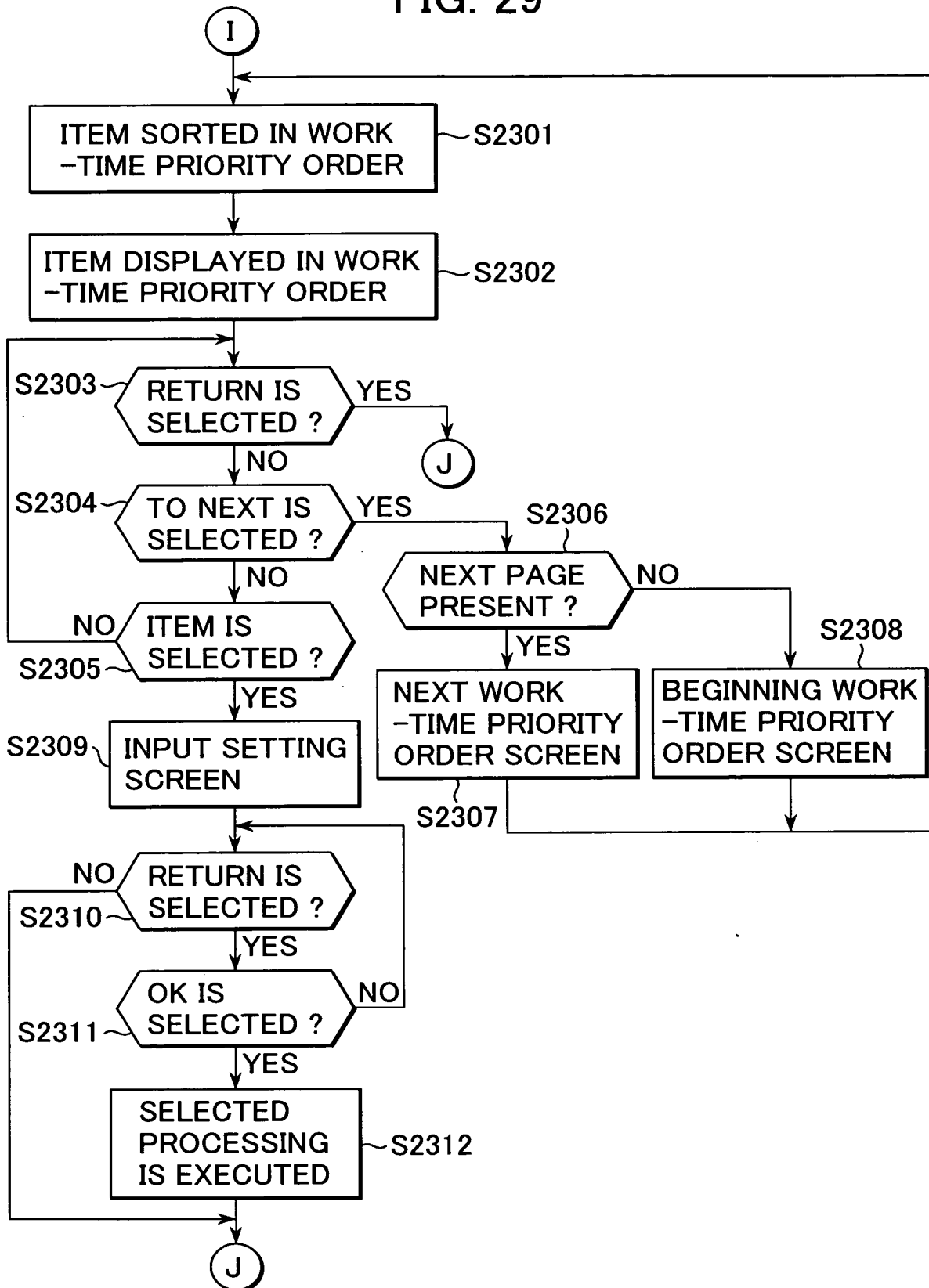


FIG. 30 PRIOR ART

